



Massachusetts
Department
of
ENVIRONMENTAL
PROTECTION

Fact sheet

Beyond 2000 Solid Waste Master Plan: 2001 Progress Report

The 2001 Progress Report includes the following sections:

- 2001 Solid Waste Data and Waste Management Capacity Projections
- Update on waste reduction accomplishments in FY 2003

Waste Reduction Milestones

In 2001	By 2010:
• 57% Total waste reduction	• 70% total waste reduction
• 81% C&D reduction	• 88% C&D reduction
• 43% MSW reduction	• 60% MSW reduction

Waste Reduction Highlights

In 2001, Massachusetts recorded:

- An overall waste reduction rate of 57%, the same as in 2000.
- A decrease in the overall recycling rate from 48% to 46%.
- A 1% decrease in overall generation.
- A 2% decrease in overall waste disposed.

Environmental and Economic Benefits

Through a combination of source reduction and recycling, Massachusetts prevented the disposal of 8.3 million tons of waste through source reduction and recycling in 2001 – the equivalent of 18 new 1,500 ton per day disposal facilities.

Through recycling and composting in 2001, Massachusetts¹:

- Reduced greenhouse gas emissions by more than 1.1 million tons of carbon equivalent per year.
- Saved nearly 13 trillion BTUs of energy, equivalent to the annual energy consumption of 120,000 households, 2.2 million barrels of oil, or more than 100 million gallons of gasoline.
- Saved nearly 500,000 tons of iron ore, coal, and limestone and saved more than 17 million trees.

Recycling, reuse, and remanufacturing directly support 19,000 jobs in Massachusetts, maintain a payroll of nearly \$600 million, and bring in annual revenues of \$3.6 billion. Total direct and indirect economic activity from recycling, reuse, and remanufacturing is estimated to generate more than \$142 million annually in state revenues for Massachusetts².

Waste Management Capacity Projections

The *Beyond 2000 Solid Waste Master Plan* established a goal of no net import or export of solid waste by 2006. In 2002, DEP permitted approximately 100,000 tons of additional landfill capacity and extended the permits of two facilities from 2003 to 2007. Revised projections indicate the need for an average of 570,000 tons per year in order to meet the goal by 2006. Additional capacity is dependent on proposals from the private sector or municipalities.

¹ Source: *Recycling Environmental Impacts Model*, Northeast Recycling Council, October 2003.

² *Recycling Economic Information Study*, prepared for the Northeast Recycling Council by R.W. Beck, Inc., June 2000.

FY2003 Waste Reduction Accomplishments

Program accomplishments over the past year include:

- **Product Stewardship:** Continued participation in the National Electronics Product Stewardship Institute (NEPSI) dialogue on electronics; fostered the development of the National Carpet Product Stewardship Agreement; initiated discussions with manufacturers on pilot take-back programs for wallboard, electronics, and propane tanks.
- **Source Reduction:** Supported the development of new Pay-As-You-Throw (PAYT) programs that will begin in FY04 in eight municipalities; established new Source Reduction criteria for the FY03 Municipal Recycling Incentive Program.
- **Hazardous Products Collection:** Developed a training manual and supported the development of school chemical management programs; worked with municipal waste combustors, municipalities, hospitals, dentists, and utilities to reduce the use of mercury-containing products and remove mercury from the waste-stream.
- **Commercial Recycling and Composting:** Kicked off the Supermarkets Organics Recycling Initiative, including providing technical assistance to more than 10 supermarkets and completing a supermarket handbook; established a WasteWise partnership with EOE; established business recycling partnerships in 10 municipalities.
- **Residential Recycling and Composting:** Provided hands-on technical assistance to more than 20 municipalities through MRIP coordinators and DEP staff; held extensive workshops and training events for municipal officials; awarded \$1.3 million in Municipal Recycling Incentive Program (MRIP) payments to more than 200 municipalities; provided targeted grants for recycling equipment and outreach.
- **Recycling Education:** Established the school Green Team program that attracted the participation of 220 schools and 25,000 students and the establishment or expansion of 18 school recycling programs; supported targeted outreach and Community Based Social Marketing projects.
- **Market Development:** Provided three grants through the Recycling Industries Reimbursement Credit grant program, leveraging \$150,000 in matching funds; closed two loans through the Recycling Loan Fund, leveraging more than \$2.5 million in additional financing.
- **Construction and Demolition Debris (C&D):** Worked extensively with DEP's C&D Subcommittee and workgroups to develop draft regulations and guidance to ban the disposal of certain C&D debris; conducted and supported research, pilot projects, and technical assistance to increase reuse and recycling of C&D.
- **Solid Waste Regulations and Enforcement:** Conducted more than 300 waste ban inspections and conducted waste ban outreach to businesses; drafted regulatory revisions to the solid waste permitting regulations at 310 CMR 19.000; issued guidance on landfill liner requirements; issued policy to support pilot sharps collection program; oversaw the development of grading and shaping closure plans and activities at 15 closed landfills.
- **Comprehensive Waste Reduction Program Assessment:** Contracted with the Tellus Institute to conduct a comprehensive waste reduction program assessment, analyzing waste reduction potential by waste sector and developing program recommendations by sector to prioritize our efforts to meet our the *Beyond 2000 Master Plan* waste reduction goals.

The 2001 Progress Report is available on DEP's Web Site at:

<http://www.mass.gov/dep/bwp/dswm/dswmpubs.htm>. For more information and comments, email: amy.roth@state.ma.us, or call Amy Roth at (617) 292-5634.

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